

ABSTRACT OF THE DISCLOSURE

Novel polypeptide combinations, polynucleotides encoding the polypeptides, and related compositions and methods are disclosed for soluble zcytor11 receptors that may be used as novel cytokine antagonists, and within methods for detecting ligands that stimulate the proliferation and/or development of hematopoietic, lymphoid and myeloid cells *in vitro* and *in vivo*. Ligand-binding receptor polypeptides and antibodies can also be used to block TIF activity *in vitro* and *in vivo*, and may be used in conjunction with TIF and other cytokines to selectively stimulate the immune system. The present invention also includes methods for producing the protein, uses therefor and antibodies thereto.